

Abstract

Alignment of Elements Of A Display Apparatus

To align a display substrate comprising an array of pixels with a component substrate comprising an array of optical components, the display substrate is divided  
5 from a display motherglass formed with an array of panels each comprising an array of pixels sufficient for a single display substrate and with, in respect of each panel, a first alignment feature having a surface relief aligned with the array of pixels. The component substrate is formed with an array of optical components and a second alignment feature aligned with the array of optical components, the second alignment feature having a  
10 surface relief shaped to register with the first alignment feature. The display substrates is attached to the component substrate with the first and second alignment features in registration with each other. The alignment of the first alignment feature with the array of pixels may be carried out at the motherglass stage in respect of the entire motherglass. The registration of the alignment features during attachment is a straightforward mating  
15 process which does not require precision alignment apparatus. Thus the yield can be increased.

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